

MULTIPLE POLAR AMPLIFIER ARCHITECTURE

ABSTRACT

An amplifier system for amplifying an input signal comprises first and second polar amplifier assemblies and a mode selector. The first polar amplifier assembly is operative to amplify the input signal to produce an amplified output signal for the system when the system is in a first mode. The second polar amplifier assembly is operative to amplify the input signal to produce the amplified output signal for the system when the system is in a second mode. A mode selector selects a mode of operation from at least the first and second modes for the amplifier system according to at least one characteristic of the input signal relative to at least one threshold parameter.